

Vol. 59, Supplement

(Only Data in English)

Bulletin of the Graduate School of Engineering
Hiroshima University

March, 2011

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A2 Stress analysis and strength evaluation of scarf adhesive joints subjected to static tensile loadings	He Dan Toshiyuki Sawa Takeshi Iwamoto Yuya Hirayama	International Journal of Adhesion & Adhesives, 30 (2010) pp. 387-392
A3 A three-dimensional finite element stress analysis and strength prediction of stepped-lap adhesive joints of dissimilar adherends subjected to bending moments	Toshiyuki Sawa Kohei Ichikawa Yuichiro Shin Takeshi Iwamoto	International Journal of Adhesion & Adhesives, 30 (2010) pp. 298-305
A4 Experimental and computational investigations on strain rate sensitivity and deformation behavior of bulk materials made of epoxy resin structural adhesive	Takeshi IWAMOTO Toshimasa Nagai Toshiyuki Sawa	International Journal of Solids and Structures, 47 , 2 (2010) pp. 175-185
A5 A finite element simulation on creep behavior in welded Joint of chromemolybdenum steel including interaction between void evolution and dislocation dynamics	Takeshi IWAMOTO Eiji Murakami Toshiyuki Sawa	Technische Mechanik, 30 , 1-3 (2010) pp. 157-168
A6 Non-linear dynamic responses of elastic two-story structures with partially filled liquid tanks	Takashi Ikeda	Int. J. Non-Linear Mech., 45 , 3 (2010) pp. 263-278
A7 Bifurcation phenomena caused by multiple nonlinear vibration absorbers	Takashi Ikeda	Trans. ASME, J. Computational and Nonlinear Dynamics, 5 , 2 (2010) pp. 021012-1-021012-15
A8 Vibration suppression of elastic structures utilizing internal resonance of liquid sloshing in a rectangular tank	Takashi Ikeda	Proceedings of the ASME 2010 Pressure Vessels & Piping Division / K-PVP Conference (PVP2010), (2010)
A9 Design of perforated open end for the reduction of resonance sound in acoustic tube	Satoshi Tejima Yasuhisa Sekiguchi	Proceedings of the 2nd International Conference on Design Engineering and Science, (2010) pp. 273-277
A10 Predictions and experimental studies of the tail pipe noise of an automotive muffler using a one dimensional CFD model	Takashi Yasuda Chaoqun Wu Noritoshi Nakagawa Kazuteru Nagamura	Applied Acoustics, 71 (2010) pp. 701-707
A11 Development of a Closed-Fitting-Type Walking Assistance Device on Leg with a Self-Contained Control System	Tadaaki Ikehara Eiichirou Tanaka Kazuteru Nagamura Takanobu Tamiya Takuro Ushida Kenichi Hashimoto Sho Kojima Kiyotaka Ikejo Louis Yuge	Journal of Robotics and Mechatronics, 22 , 3 (2010) pp. 380-390

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A13 Vibration and Noise Analysis of Ellip- tical Gears	Xing Liu Kazuteru Nagamura Kiyotaka Ikejo	Proceedings of The 2nd Interna- tional Conference on Design Engi- neering and Science (ICDES2010) Morito Memorial Hall, Tokyo Uni- versity of Science, Tokyo, JAPAN, November 17-19, (2010) pp. 262-267
A14 Sound Transmission Loss of Polycar- bonate Window Pane with Damped Sandwich Structure for Automobile	Shen Min Kazuteru Nagamura Noritoshi Nakagawa Masaharu Okamura	Proceedings of The 2nd Interna- tional Conference on Design Engi- neering and Science (ICDES2010) Morito Memorial Hall, Tokyo Uni- versity of Science, Tokyo, JAPAN, November 17-19, (2010) pp. 268-272
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A21 Coordinating the Adaptive Behavior for Swarm Robotic Systems by Using Topol- ogy and Weight Evolving Artificial Neural Networks	Kazuhiro Ohkura Toshiyuki Yasuda Yoshiyuki Matsumura	Proceedings of WCCI 2010 IEEE World Congress on Computational Intelligence, 2010 IEEE Congress on Evolutionary Computation, (2010) pp. 1788-1795
A22 A Swarm Robotics Approach to Co- operative Package-Pushing Problems with Evolving Recurrent Neural Networks	Kazuhiro Ohkura Toshiyuki Yasuda Yukihiko Kotani Yoshiyuki Matsumura	Proceedings of SICE Annual Con- ference 2010, (2010) pp. 706-711
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A39 Stabilization of time-varying stochastic port-Hamiltonian systems based on stochastic passivity	Satoshi Satoh Kenji Fujimoto	Proceedings of IFAC Symposium on Nonlinear Control Systems, (2010) pp. 611-616
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A43 Dynamic anti-windup compensator design considering behavior of controller state	Unggul Wasiwitono Shunsuke Takamatsu Masami Saeki Kiyoshi Ochi Nobutaka Wada	Journal of System Design and Dynamics, 4 , 4 (2010) pp. 601-615
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B2 Experimental investigation of material flow during friction stir spot welding	Shohei Horie Kenji Shinozaki Motomichi Yamamoto Tom North	Science Technology of Welding and Joining, 15 , 8 (2010) pp. 666-670
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B5 Alloy design of Ti alloys using ubiquitous alloying elements and characteristics of their levitation-melted alloys	K. Matsugi T. Endo Y. B. Choi G.Sasaki	Materials Transactions, 51 , 4 (2010) pp. 740-748
B6 Preparation of unidirectional carbon fiber perform for Cf/Al composites	M. H. Lee Y. B. Choi K. Matsugi G. Sasaki	Proceedings of the 12th International Conference on Aluminium Alloys, (2010) pp. 867-872
B7 Fabrication and Characterization of Unidirectional Cf/Al Composites	M. H. Lee Y. B. Choi K. Sugio H. Fukushima K. Matsugi G. Sasaki	Proc. of 8th Joint Canada-Japan Workshop on Composites, (2010) pp. 173-180
B8 Effect of Microstructure on Thermal Properties for VGCF/ Aluminum Composites fabricated by Spark Sintering Process	Gen Sasaki Zhefeng Xu Kenji Sugio Yong-Bum Choi Kazuhiko Matsugi	Proceedings of the 12th International Conference on Aluminium Alloys, (2010) pp. 873-877
B9 Low Infiltration Process of Molten Aluminum Alloy to C/C Preform with Nickel Coating	G. Sasaki M. Morioka K. Sugio H. Fukushima Y. B. Choi K. Matsugi	Proc. of 8th Joint Canada-Japan Workshop on Composites, (2010)
B10 Properties of Small Rotary Engine Housing Fabricated by Aluminum Alloy Matrix Composites	Nobuyuki Fuyama Akira Terayama Toshio Fujii Hajime Tani Shinji Danjo Gen Sasaki	Materials Science Forum, 638-642 (2010) pp. 933-938
B11 Effect of Interfacial Reaction on High Temperature Properties of Fe-Cr-Si Fiber Reinforced AC8A Aluminum Composites	N. Fuyama A. Terayama T. Fujii T. Shiraishi Y. Miyake G. Sasaki	Materials Science Forum, 654-656 (2010) pp. 2696-2699

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B13 Searches for High Frequency Variations in the ^8B Solar Neutrino Flux at the Sudbury Neutrino Observatory	B. Aharmim Ryuta Hazama et al.	Astrophysical Journal, 710 (2010) pp. 540-548
B14 Development of a new rectangular NaI(Tl) scintillator and spectroscopy of low-energy charged particles	H. Nakamura H. Kitamura Ryuta Hazama	Review of Scientific Instruments, 81 (2010) pp. 013104-1-013104-4
B15 Low energy threshold analysis of the Phase I and Phase II data sets of the Sudbury Neutrino Observatory	B. Aharmim Ryuta Hazama et al.	Physical Review C, 81 (2010) pp. 055504-1-055504-49
B16 Radiation measurements with heat-proof polyethylene terephthalate bottles	H. Nakamura H. Kitamura Ryuta Hazama	Proceedings of the Royal Society A (Math, Phys. & Eng. Sci.), 466 (2010) pp. 2847-2856
B17 Solubility, Light Output and Energy Resolution Studies of Molybdenum-Loaded Liquid Scintillators	V.M. Gehman P.J. Doe R.G.H. Robertson D.I. Will H. Ejiri Ryuta Hazama	Nuclear Instruments and Methods in Physics Research A, 622 (2010) pp. 602-607
B18 Light output response of KamLAND liquid scintillator for protons and ^{12}C nuclei	S. Yoshida T. Ebihara T. Yano A. Kozlov T. Kishimoto I. Ogawa Ryuta Hazama, et al.	Nuclear Instruments and Methods in Physics Research A, 622 (2010) pp. 574-582
B19 Dark matter search by means of segmented scintillator (PICO-LON)	K. Fushimi Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012046-1-012046-3
B20 The MAJORANA Project	C.E. Aalseth Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012057-1-012057-3
B21 MOON for Double-Beta Decays and Neutrino Nuclear Responses	K. Fushimi Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012064-1-012064-3
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B23 Metal coating effect on thermal diffusivity of single-walled carbon nanotube	Shuhei Inoue Yukihiko Matsumura	CHEMICAL PHYSICS LETTERS, 495 , 1-3 (2010) pp. 80-83
B24 Prospective growth region for chemical vapor deposition synthesis of carbon nanotube on C-H-O ternary diagram	Takashi Tomie Shuhei Inoue Masamichi Kohno Yukihiko Matsumura	DIAMOND AND RELATED MATERIALS, 19 , 11 (2010) pp. 1401-1404
B25 Synthesis of Single-walled Carbon Nanotube	Kyohei Ito Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Science and Technology of Synthetic Metals 2010, (2010)
B26 MD Study for Functionalized Single-Walled Carbon Nanotube	Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Flow Dynamics 2010, (2010)
B27 Molecular Dynamic Simulation for Metal � Carbon Nanotube Composite Materials	Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Science and Technology of Synthetic Metals 2010, (2010)

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B30 Effect of Injection Pressure on Flame and Soon Characteristics of the Biodiesel Spray	Xiangang Wang Olawole Abiola Kuti Wu Zhang Keiya Nishida Zuohua Huang	Combustion Science and Technology, 182 , 10 (2010) pp. 1369-1390
B31 An Experimental Investigation on Spray, Ignition and Combustion Characteristics of Biodiesels	Xiangang Wang Zuohua Huang Olawole Abiola Kuti Wu Zhang Keiya Nishida	Proceedings of the Thirty Third Symposium (International) on Combustion, 33 , 2011 (2010) pp. 2071-2077
B32 Gas Entrainment Characteristics of Diesel Spray Injected by a Group-Hole Nozzle	Seoksu Moon Yuhei Matsumoto Keiya Nishida Jian Gao	Fuel, 89 (2010) pp. 3287-3299
B33 Improving Diesel Mixture Preparation by Optimization of Orifice Arrangements in a Group-Hole Nozzle	Seoksu Moon Yuhei Matsumoto Keiya Nishida Jia Gao	International Journal of Engine Research, 11 , 2 (2010) pp. 109-126
B34 Experimental and Analytical Study on Biodiesel and Diesel Spray Characteristics under Ultra-High Injection Pressure	Xiangang Wang Zuohua Huang Olawole Abiola Kuti Wu Zhang Keiya Nishida	International Journal of Heat and Fluid Flow, 31 , 4 (2010) pp. 659-666
B35 Effect of Injection Pressure on Ignition, Flame Development and Soot Formation Processes of Biodiesel Fuel Spray	Olawole Abiola Kuti Wu Zhang Keiya Nishida Xiangang Wang Zuohua Huang	SAE International Journal of Fuels and Lubricants, 3 , 2 (2010) pp. 1057-1070
B36 Mixture Formation and Combustion of Diesel Sprays from Micro-Hole Nozzle under Ultra-High Injection Pressure	Wu Zhang Keiya Nishida	CD-ROM Proceedings of THIESEL 2010 Conference on Thermo-and Fluid Dyanmic Processes in Diesel Engines, (2010) pp. 1-14
B37 Effect of Injection Pressure on Ignition, Flame Development and Soot Formation Processes of Biodiesel Fuel Spray	Olawole Abiola Kuti Keiya Nishida Jingyu Zhu Wu Zhang Xiangang Wang Zuohua Huang	CD-ROM Proceedings of 2010 Small Engine Technology Conference, SAE Paper No. 2010-32-0053/ JSAE Paper No. 20109053 (2010) pp. 1-14
B38 Effects of Ultra-High Injection Pressure and Microhole Nozzle on Flame Structure and Soot Formation of Impinging Diesel Spray	Xiangang Wang Zuohua Huang Wu Zhang Olawole Abiola Kuti Keiya Nishida	Proceedings of the 10th International Conference on Combustion and Energy Utilization, (2010) pp. 1-10
B39 Spray and Flame Characteristics of Biodiesel Fuel Injected by Common Rail Injection System for D.I. Diesel Engine	Olawole Abiola Kuti Keiya Nishida Jingyu Zhu Wu Zhang Xiangang Wang Zuohua Huang	CD-ROM Proceedings of 8th ASPACC-10, Asia Pacific Conference on Combustion, (2010) pp. 1-8
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B42 Research on Combustion System of DISC Gasoline Engines II: Mixture Formation Process in the Spark-Chamber	Jiang-Ping Tian Wu-Qiang Long Keiya Nishida Wu Zhang	Transactions of CSICE, 28 , 4 (2010) pp. 309-315
B43 Spectroscopic Investigations on OH Radicals Generated in He/Water and Air/Water Mixtures by an Atmospheric Pressure Surface Discharge Micro Plasma Device	Ken Takiyama Hideo Nojima Tsuyoshi Noi Shinichi Namba Tsutomu Yamasaki	Proceedings of the 7th International Conference on Reactive Plasmas, (2010)
B44 Spatially Resolved Spectroscopic Study of Arcjet Helium Plasma Expanding through a Rectangular Converging and Diverging Nozzle	S. Namba N. Yashio K. Kozue K. Nakamura K. Takiyama K. Sato	Annual report of national institute for fusion science, 2010 (2010) pp. 319
B45 Practical Qbeta analysis method based on the Fermi-Kurie plot for spectra measured with total absorption BGO detector	H. Hayashi Y. Kojima M. Shibata K. Kawade	Nucl. Instruments and Methods A, 613 (2010) pp. 79-89
B46 Measurements of neutron distribution in neutrons-gamma rays mixed field using imaging plate for neutron capture therapy	K. Tanaka S. Endo M. Hoshi	Appl. Radiat. Isot. 68, 207-210, 68 (2010) pp. 207-210
B47 Dose Rate Estimation around a ⁶⁰ Co Gamma-ray Irradiation Source by means of ¹¹⁵ In Photoactivation	A. Murataka S. Endo Y. Kojima K. Shizuma	J. Radiat. Res., 51 (2010) pp. 197-203
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B52 Measurements of ^{60}Co in massive steel samples exposed to the Hiroshima atomic bomb explosion	J. Gasparro M. Hult G. Marissens M. Hoshi K. Tanaka S. Endo M. Laubenstein	JRC scientific and Technical report La-NA-24146-EN-C, (2010) pp. 1-13
B53 Air bending and springback of stainless steel clad aluminum sheet	Kerim Yilamu Ryutaro Hino Hiroshi Hamasaki Fusahito Yoshida	Journal of Materials Processing Technology, 210 , 2 (2010) pp. 272-278
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B62 Reliable Process Design of Tension Leveling Process by Means of Taguchi's Method and Stochastic Optimization	Hiroshi Hamasaki Kenko Gejima Fusahito Yoshida Vassili V. Toropov	Proceedings of CJK-OSM6: 6th China-Japan-Korea Joint Symposium on Optimization of Structural and Mechanical Systems (CD-ROM), (2010)

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B70 Coating of TiB ₂ dispersed Ti50Ni50 superelastic alloy layer onto Ti-6Al-4V alloy by spark and resistance sintering	Longxian Ding Keijiro Nakasa Masahiko Kato Taiga Inoue	Surface & Coatings Technology, 204 (2010) pp. 1738-1748
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B73 Influence of Vacuum Pressure on Friction Coefficient of Sputtered SiC Film	Masahiko KATO Kohei KUROSE Hiroyuki AKEBONO Atsushi SUGETA	Proceedings of the 5th International Symposium on Advanced Science and Technology in Experimental Mechanics, CD-ROM (2010)

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C2 An interactive fuzzy satisficing method for multiobjective operation planning of district heating and cooling plants considering contract violation penalties	Masatoshi Sakawa Takeshi Matsui Keiichi Ishimaru Satoshi Ushiro	IAENG International Journal of Applied Mathematics, 40 , 3-11 (2010) pp. 1-9
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C4 Non-linear integer programming based on particle swarm optimisation combining diversification and intensification	Takeshi Matsui Masatoshi Sakawa Kosuke Kato Koichi Matsumoto	International Journal of Knowledge Engineering and Soft Data Paradigms, 2 , 3 (2010) pp. 251-262
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